

## **ABSTRACT**

A memory controller is described that comprises a compression map cache. The compression map cache is to store information that identifies a cache line's worth of information that has been compressed with another cache line's worth of information. A processor and a memory controller integrated on a same semiconductor die is also described. The memory controller comprises a compression map cache. The compression map cache is to store information that identifies a cache line's worth of information that has been compressed with another cache line's worth of information.